WATERVILLE FIRE-RESCUE

BID SPECIFICATION
FOR ONE
CUSTOM
TYPE 3 AMBULANCE

BIDS DUE: 02/19/2022 AT 12:00P.M.

Bids must be submitted by the deadline to:

City of Waterville
Fire Chief
7 College Ave
Waterville, Maine 04901

Labeled:

“Ambulance Bid”

Bid Specification

Scope

The ambulance specification documented here establishes requirements for a new Type III automotive emergency medical services (EMS) ground vehicle used for out-of-hospital medical care and patient transport. The term new as applied in this standard is intended to refer to the original construction of an ambulance using all new materials and parts. Bidders shall not propose ambulances that are refurbished or remounted.

Purpose

The purpose of this document is to specify the purchaser's requirements, performance parameters, and essential criteria for the design of this ambulance. This document shall layout exacting details and shall have accompanied drawings to clearly and accurately specify the ambulance.

Application

This specification shall apply to vehicles intended for use in both emergency and non-emergency operations.

Equivalency

This specification is intended to provide the bidder the guidelines and parameters of the ambulance to be purchased. Many of the components specified here can be procured from common vendors. In those instances, the model or brand specified shall be used. The bidder is encouraged to propose a like model for those items in this specification which they cannot comply to. Alternative construction and design methods detailed by the bidder shall not be cause for automatic rejection. The specification for this ambulance has a desired level of quality and workmanship. In instances where exceptions and clarifications are necessary, detailed descriptions must be submitted with the proposal.

In Production Similar Specifications

Please include separate proposals for any "In Production" vehicles of similar specifications. Proposal shall include an estimated time of delivery to the City of Waterville.

Exceptions

Should the bidder choose not to comply with the specified requirements, the bidder shall disclose to the purchaser what they are offering in comparison. Exceptions to the proposal shall be documented in a centralized location in the vendors submission. The exceptions section of the proposal shall include the section heading, the page number and a detailed description of what shall be proposed by the bidder.

Purchase Options

The bidder should include purchase options to include full purchase, payment, or lease payment options.

Drawings

The ambulance proposal shall include computer aided design (CAD) drawings for the model specified here. Two dimensions (2D) sales drawings shall be acceptable for this proposal. The bidder shall not accept standard model or

generic drawings as these are not an accurate depiction of the vehicle specified. Drawings provided "upon request" shall not be permitted by the purchaser.

Referenced Publications

This specification specifically sites documents, or portions of documents listed below. It is the bidder's responsibility to ensure the ambulance proposed meets the requirements set forth in these documents.

Responsibility of the Bidder

The bidder shall provide a detailed description of the ambulance with the proposal along with a list of equipment to be furnished. Documentation of all testing data detailed in this specification shall be included in the bid proposal.

The bidder's detailed description shall include exceptions and clarifications clearly defining each section of the proposal that is not fully compliant with the requirements of detailed specification defined here.

Responsibility for the ambulance and customer supplied equipment shall remain with the contractor until they are accepted by the purchaser.

Manufacturing Capability

The ambulance manufacturers shall use a continuous flow production system to assemble their models of ambulances. The advantage of this continuous flow system is the entire assembly of the vehicle is broken down into logical assembly phases to which resources are attributed and properly trained. A description of the manufacturer production system shall be included.

Schedule:

The manufacturer shall be able to schedule the ambulance into its production cycle to give an accurate deadline of completion from the time of the signed accepted order. The bidder shall include the proposed lead time for the completion unit.

The manufacturer shall not be held liable for changes arising from its failure to make or delay in making delivery because of fire, flood, strike, riot, chassis shortage, accidents, acts of force majeure, or any circumstances beyond the bidding manufacturer's control.

Ambulance Components

All components shall be installed in accordance with the applicable manufacturer's installation instructions. The emergency medical care vehicles, including chassis, equipment, devices, medical accessories, and electronic equipment shall be standard commercial products, tested and certified to meet or exceed the requirements of this standard. Vehicles shall be free from defects that may impair their serviceability or detract from appearance. All bodies, systems, equipment, and interfaces with the chassis shall be done in accordance with OEM best practices.

Serviceability:

The ambulance shall be designed so that all the manufacturer's recommended routine maintenance checks of lubricant and fluid levels can be performed by the operator without the need of hand tools. Ambulance components that interfere with repair or removal of other major components shall be attached with fasteners, such as cap screws and nuts, so that the components can be removed and installed with ordinary hand tools. These components shall not be welded or otherwise permanently secured into place.

In the event of repair (warranty or non-warranty), the manufacturer shall have approved service centers to assist in maintaining and repairing the ambulance. A list of the approved service centers shall be provided with the bid submittal.

Warranty:

The manufacturer shall include documentation of all warranties pertaining to the new ambulance. Each warranty shall be specifically detailed and shall describe what exactly is covered under the specified warranty. Warranties must be described and detailed in exact times (e.g years, months, days). Warranties offering "Lifetime" or "Limited Lifetime" are often considered legally vague and subject to interpretation from the manufacturer as well as the state in which the ambulance is placed in service. For this reason, the minimum warranty for this ambulance shall be as follows:

Module Structure: 10 Years / Unlimited Miles
Paint: 5 Years non pro-rated / 180,000 Miles
Electrical: 5 Years/ 180,000 Miles
Materials and Workmanship: 5 Years/ 180,000 Miles
OEM Materials: 2 Years / 75,000 Miles

A written statement of each of the manufacturer's warranties shall be provided with this bid proposal.

<u>Documentation:</u>

All documentation delivered with the ambulance shall either be printed format, electronic format, audiovisual format or any combination of these forms of media. The documentation shall be provided in a centralized manual, binder or CD. All documentation shall be clearly labeled and shall be easy for the purchaser to review as necessary.

The ambulance manufacturer shall deliver with the ambulance at least one (1)copy of the following documents:

The manufacturer's record of ambulance construction details, including the following information:
Owner's name and address
Ambulance manufacturer, model, and serial number
Chassis make, model, and VIN
GAWR of front and rear axles and GVWR
Front tire size and total rated capacity in pounds (kilograms)
Rear tire size and total rated capacity in pounds (kilograms)
Engine make, model, serial number, rated horsepower.
Type of fuel and fuel tank capacity
Electrical system voltage and alternator output in amps
Battery make, model, and capacity in cold cranking amps (CCA)
Chassis transmission make, model, and serial number
Ratios of all driving axles
Maximum governed road speed
Paint manufacturer and paint number(s)
Company name and signature of responsible company representative
Documents from a certified scale showing curb weight on the front axle and rear axle(s) (without personnel and equipment)
Certification of compliance of the optical warning system
Siren manufacturer's certification of the siren
Written load analysis and results of the electrical system performance tests
Certification of slip resistance of all exterior stepping, standing, and walking surfaces

<u>Operations and Service Documentation:</u>

The manufacturer shall deliver with the ambulance at least one (1) set of complete owner/operator manuals. These manuals shall also include service documentation covering the completed ambulance as delivered and accepted.

The owner/operator manuals shall include the inspection, service, and operations of the ambulance of all major components thereof. The documentation listed here shall be for each ambulance delivered and shall contain the following information:

Manufacturer's name and address
Country of manufacture
Source for service and technical information
Parts replacement information

Descriptions, specifications, and ratings of the chassis
Wiring diagrams for low voltage and line voltage ambulance-specific systems to include the following information:
Pictorial representations of circuit logic for all electrical components and wiring
Circuit identification
Connector pin identification
Zone location of electrical components
Safety interlocks
Alternator–battery power distribution circuits
Input/output assignment sheets or equivalent circuit logic implemented in multiplexing systems
Lubrication charts
Operating instructions for the chassis, any major components
Instructions regarding the frequency and procedure for recommended maintenance
Overall ambulance operating instructions
Safety considerations
Limitations of use
Inspection procedures
Recommended service procedures
Troubleshooting guide
Ambulance body, chassis, and other component manufacturer's warranties
Special data required by this standard
Material safety data sheet (MSDS) for any fluid that is specified for use on the ambulance

Certification and Payload Signage

The complete ambulance shall have a certification and payload label. This label shall be mounted on the body (module) interior in a conspicuous location. The completed ambulance shall have a payload calculation form.

Dimension Labeling

The completed ambulance manufacturer shall provide a high-visibility label showing the dimensions of the ambulance and the GVWR of the competed vehicle. This label shall be located in a location easily found by the driver.

Component Protection

All manufacturer or supplier supplied hose lines, air system tubing and electrical harnesses shall be mechanically attached to the frame or body structure of the ambulance. All exposed tubing, electrical wiring and hoses shall be contained in a loom or an insulated covering on both the exterior and interior of the ambulance. Were hoses and electrical wiring looms are passing through a metal edges; a protective grommet shall be installed in the hole to prevent premature wear on the loom or hose. Exposed wires and hoses shall not be permitted as this poses a potential hazard and could cause premature failure of critical components on the completed ambulance.

Personnel Protection:

Protection in the form of guards and shields shall be provided on the completed ambulance to prevent injury of personnel by temperature sensitive, moving, or rotating parts during non-maintenance operations. Access to these areas shall be restricted yet still accessible for qualified technicians to perform maintenance when necessary.

Electrical insulation or isolation shall be provided on all electrical components to prevent electrical shock from onboard electrical systems. Electrical systems and wiring shall be properly secured in the electrical control panel to prevent accidental entry or storage in these areas.

The completed ambulance shall be free of sharp edges and protrusions that could injure during routine maintenance or while the vehicle is in motion.

Liability

The bidding manufacturer shall furnish a Certificate of Insurance showing an aggregate of liability insurance which shall not be less than ten million dollars ($10,000,000.00). This general liability Certificate of Insurance shall be

provided by the manufacturer's insurer. Failure to provide a Certification of Insurance shall be considered non-responsive and cause for rejection of the proposal.

Testing Requirements:

The bidding manufacturer shall be capable of passing testing certifications for North America. All testing performed shall meet or exceed the highest requirement set forth in any of the North American standards listed here. The manufacturer shall be able to provide testing or certification results for the following requirements.

Copies of different vehicle certifications for the following vehicle specifications shall be provided with this proposal:

- **KKK: Federal Specification for the Star of Life Ambulance (KKK-A-1822)**
- **FMVSS: US Federal Motor Vehicle Safety Standards and Regulations**
- **DOT: US Department of Transportation**

Additional Testing Requirements:

In addition to the above-mentioned testing requirements the following tests shall be conducted on the specific model, passed and documented.

AMD 004: Cot Retention Pull Test

Above and beyond the minimum required 2200 lbs., the bidding manufacturer must have completed a cot retention pull test to meet or exceed 10 times the weight of the cot plus the cot hardware and the weight of a male patient in the 90th percentile per the current NIHS / CCHS data. The minimum requirement may vary, depending on the specific cot (Ferno or Stryker) and cot hardware. Results for both brands must be provided

AMD 006: Sound Level Test

Above and beyond the minimum requirement of 80 decibels or less as tested in the patient compartment, the bidding manufacturer must also perform a sound level test in the front cab, with windows opened 6 inches and reach a minimum requirement of 89 decibels or less. Another sound level test in the front cab must be done with windows closed while reaching a minimum of 84 decibels or less.

AMD 008: Patient compartment Grab Rail Test

Above and beyond the minimum requirement of a 300 lbs pull test on the overhead ceiling grab rail, the bidding manufacturer must perform pull tests on each grab handle inside the patient compartment. All grab handles and overhead grab rails will be pull tested to 500 lbs., however it is important to mention that deformation may occur at 500 lbs.

AMD 012: Interior Climate Control Test:

Heating

Minimum Requirement: From 32°F to 68°F in 30 minutes or less

Air Conditioning

Minimum Requirement: From 95°F to 78°F in 30 minutes or less

AMD 013: Weight Distribution:

Above and beyond the minimum requirement of having 20% or more GVWR on the front axle, the bidding manufacturer will need to meet or exceed a minimum of 30% GVWR on the front axle. This added front axle weight distribution is a critical safety aspect in terms of added traction, braking capacity and increased handling capabilities.

Certification documentation shall be delivered with the ambulance, including results of the certification tests. Each model the manufacturer offers shall be tested and certified. The purchaser will not accept testing certification on the largest model size as a "blanket certification" for all models without detailed justification and/or calculation.

Conversion Ford E350/E450 Cutaway:

All bodies, systems, equipment, and interfaces with the chassis shall be done in accordance with OEM best practices.

Ford E450 DRW Cutaway 4 X 2 7,3L Triton V8 Gasoline Engine Wheelbase 158" (4013 mm) GVWR (Gross vehicle weight rating) 14,500 Lbs / 6,577 Kg

POWERTRAIN

- **7.3L V8 Premium Engine**
- **Transmission-6 Speed O/D**

EXTERIOR

- **Auxiliary Fuel Port**
- **Auxiliary Transmission Oil Cooler**
- **Glass Solar**
- **Bumper - Chrome, Front**
- **Grille - Chrome**
- **Daytime Running Lights**
- **Headlamps with Autolamp - Dual Sealed Beam W/Fixed Lens**
- **Fuel Tank 55 Gallon**
- **Mirrors, Telescopic Trailer Tow Mirrors Power Adjust Flat Lens**
- **Tires, LT225/75R x 16E BSW A/S**
- **Spare Tire with Wheel**
- **Steel Valve Stems**
- **Wheels 16" x 6" steel – painted/powder coated job color grey**
- **High Series Exterior Upgrade Package**
- **Insulation Package**
- **License Plate Bracket**

INTERIOR

- **Dash Sound Absorber**
- **Floor Covering - Front, Vinyl**
- **Glove Box w/Auxiliary 12V Power Point**
- **Key In Ignition Warning Chime**
- **Mirror - Interior Day/Night Rearview Mirror**
- **Seats - Dual High-Back Cloth Captain Chairs - Medium Flint**
- **Step Well Pads - Black Plastic**
- **Sun Visors - Cloth**
- **Courtesy Light Switch - Front Door**
- **Front Dome Light**
- **6" Whelen (or comparable) low profile Red/White LED installed over each seated position in front crew area**
- **Steering Wheel - Tilt Telescoping**
- **Driver Passenger A-Pillar Grab Handle**
- **B-Pillar Trim Kit Full LH/RH B-Pillar Trim**
- **Driver Passenger Black Cowl Trim Panels**
- **Headliner - Front, Cloth**
- **Instrument Panel - Medium Flint**

- **Medium Flint with Single Stowage Area Door - Trim Panels**
- **Dual USB Ports in Instrument Panel**
- **Cruise Control**
- **Interior Upgrade Package**

FUNCTIONAL

- **Alternator - Dual-240 Amp / 157 Amp**
- **Axle Rear, Limited Slip (4.56 Ratio)**
- **Batteries - Dual 78 Amp Hr Heavy Duty**
- **Brakes - 4 Wheel Disc Brakes with Traction Control**
- **Horn - Dual Note**
- **Shock Absorbers - Heavy Duty**
- **Steering - Power**
- **Steering Gear - Heavy Duty**
- **Tachometer**
- **Windshield Wipers - Interval**
- **Air Conditioning**
- **Audio - Bluetooth - Capable AM/FM Stereo / Clock / USB Input**
- **Front, Twin I Beam**
- **Stabilizer Bar - Front Stabilizer Bar**
- **Engine Block Heater**
- **Instrument Panel Electronic Message Center - Upgraded**
- **Power Windows and Locks Incl. 1-Touch Down Power Driver Window**
- **Remote Keyless Entry**

SAFETY / SECURITY

- **Dual Airbags - Second Generation**
- **Electronic Stability Control (ESC)**
- **Safety Belts - Medium Flint w/Height Adjustable D-Ring**
- **Traction Control**
- **Passenger Airbag Cutoff Switch**

DRIVER ASSIST FEATURES

- **Hill Start Assist**
- **Driver Assist Technology Package**

WEIGHT RATINGS

- **Front Gross Axle Weight Rating 5,000**
- **Rear Gross Axle Weight Rating 9,600**
- **Gross Vehicle Weight Rating 14,500**
- **ME Medium Flint**
- **Preferred Equipment Package**
- **Ambulance Prep Package**

Chassis to be ordered OEM custom color – BLAZE RED OEM B8241EA

<u>Cab Console/Control Panel</u>

The FORD OEM Dash will remain as is from factory and the switch pane and siren will be located in the cab console.

<u>Ambulance Module</u>

All Aluminum ambulance module structure, door's structure and accessories. (Included)

Body Dimensions

The overall dimensions of the completed ambulance module shall not exceed 180" long by 97" wide. The interior headroom shall be 72" from the floor to the ceiling.

Overall Construction:

The entire modular body shall be engineered to provide the highest possible structural integrity while maintaining the lowest possible overall weight. This method of engineered construction shall provide an efficient ambulance design with greater usable payload, improved ride characteristics and greater maintenance intervals on brakes and suspension components.

The completed ambulance shall have no water leakage into the cab, compartments, patient compartment, or through any door seal, light seal, or pass-through seal.

All welding performed on the fabricated ambulance shall be completed by a welder certified in their particular welding discipline. Manufacturers providing only certification of department supervisors or final inspectors shall not be acceptable and shall be cause for rejection. Certified welders are desired by the purchaser as this proves the welder has met the requirements to perform the task at a high level of quality and consistency. The manufacturer shall provide proof of the welder's certification upon the purchaser's request.

Holes and cutouts, for lights and other components attached to the side of the ambulance, shall be painted or protected against corrosion. When installation hardware is of dissimilar metals, an anti-corrosive electrolysis inhibitor in addition to a plastic insert shall be installed to ensure no contact is made between the module body and hardware fastener.

Roof Construction

The ambulance roof shall be of aluminum construction utilizing a customized formed roof extrusion, a roof structure and a single piece roof. The roof extrusion shall be constructed to integrate and accept the side wall tubes, side wall skin, roof skin and roof structure. A drip rail shall also be integrated into this extrusion.

The module corner extrusions and the roof extrusions shall be constructed in a manner to properly fit without needing corner caps. Unwelded corner pieces allow for more torsion in the modular body and could compromise the structural integrity of the roof and corner construction.

The purchaser will not accept prototype build/models or untested construction methods used only to satisfy the detailed description of this specification.

Side Body Construction:

The side of the ambulance body structure shall be constructed of 1.5" x 2", variable thickness tubes made of 6061-T6 aluminum. The extruded tube structure shall incorporate a .125 thickness on the longitudinal side and a .070 thickness on the lateral side with four (4) 1/4'' radiuses to allow better welding. Side tubes shall be placed at a maximum of 16" on center. Corner extrusions are welded to the side structure.

A one (1) piece CNC machined cut side wall made of .090'' 5052-H32 aluminum shall be chemically bonded to the side structure. The side wall and tubing surfaces shall be properly prepped and cleaned to accept this adhesive. This attachment method is preferred as it creates a side wall surface with no warpage as no heat transfer takes place as it would when the side wall is welded. The side wall shall be inserted into the roof extrusion lip and welded to this extrusion on the back side.

In areas where seating is going to be installed, the side wall shall have a 1/2" 6061-T6 mounting plate rail installed. It shall serve as a proper seat belt mounting point as well as an additional reinforcement in the event of a side impact.

Alternative side wall construction methods not complying with the above detailed specifications can be presented and shall be detailed in the exceptions section of this bid proposal. Photographs and a detailed documentation of the process shall be included in the bid specification.

The purchaser will not accept prototype build/models or untested construction methods used only to satisfy the detailed description of this specification.

Floor Construction:

The floor structure shall be constructed of 2" x 2" tubes made of 6061-T6 aluminum. Different thicknesses, .125" and .250", shall be used to maximize strength/weight ratio to ensure maximum payload capacity while passing all required load testing.

In areas where seating or cot anchoring is going to be installed, the floor shall have 1/2" 6061-T6 mounting plates welded in the structure.

A CNC machined cut skin made of .063'' 5052-H32 aluminum shall be chemically bonded to the floor structure. The skin and tubing surfaces shall be properly prepped and cleaned to accept this adhesive.

A minimum .063 heat shield shall be installed under the floor and body structure to serve as additional protection against external heat generated by the exhaust system.

Drop Skirts

On both sides of the ambulance module, there shall be a 6'' drop skirt.

This drop skirt will start forward of the rear wheel well up to the front of the ambulance module.

Wheel Wells

An aluminum wheel well shall be incorporated into the underbody structure. This wheel well shall be sealed to prevent water or debris from entering the module. The interior surface of the wheel well shall be insulated with foam to prevent noise caused from vibration and exterior road noise.

Compartment Construction

The sides of the storage compartment shall be constructed of a minimum .063 machine formed aluminum diamond plate. The sides, top and bottom of interior compartment shall be formed and welded to ensure a secure, square fit. All outside edges of the compartment shall be sealed with weatherproof sealer/ inhibitor. The compartments shall be properly anchored and reinforced to the door jamb extrusions and the floor structure. The bottom of each compartment shall be constructed of smooth 6061-T6 .090''aluminum and shall have a punched drain hole to facilitate water drainage.

Ventilation shall be provided in the side and/or ceiling of the compartments to allow for adequate air movement when the door is closed. The upper portion of the compartment shall be machine louvered to ensure an even distribution of air escaping the compartment. This even distribution of air movement shall allow the door to close with minimal external force and shall allow it to seal properly against the door jamb extrusion. Air shall flow into the interior of the module via the space between the side wall and the cabinetry. The oxygen bottle compartment shall only be vented to the outside of the ambulance.

Exact exterior compartment sizes and dimensions shall conform to the drawings provided with this bid proposal and shall conform to the layout detailed at the beginning of this section.

Alternative construction methods shall be detailed in the exceptions section of this bid proposal. Photographs of this construction method shall be provided to allow for adequate comparison.

The purchaser will not accept prototype build/models or untested construction methods used only to satisfy the detailed description of this specification.

Door Frame Construction

All exterior storage compartments shall be constructed of an extruded door frame structure which will be welded to

the back of the door structure. The front of the extruded door shall not have any signs of welding as this causes distortion to the door and requires the use of body filler to create the illusion of a smooth surface. Holes for the door hinges shall be CNC machined into the jamb for exact fit when the door is installed. Extruded door jambs shall be sealed against the side wall skin. The extrusion shall be treated and adhered to the side skin to ensure debris and weather does not penetrate the extrusion area. This method is preferred as the extrusion attachments allow for an amount of necessary flex and torsion when the ambulance is in motion. This CNC machined method allows for the easy ordering and replacement of the door should it become damaged during the life of the ambulance.

Door Construction:

General Construction

Each door shall be constructed from an extrusion that mates to the door jamb structure. Cut outs for the latches and hinges shall be machine cut and not manually hand cut or drilled out to ensure a consistent fit. The door extrusions shall be welded securely at the mitered edges and each corner shall have a welded reinforcement. The extrusion shall be designed such that the weather seal is placed ahead of the door latch to assist in keeping debris from getting into the latch. When closed, the door shall form a complete weather tight seal. A second formed rubber weather seal shall be installed on the door frame ensuring a durable weather seal for each compartment.

Adequate reinforcement shall be installed to ensure door rigidity and provide mounting locations for assist handles and / or other equipment.

The exterior door panel skin shall be constructed of one (1) piece formed aluminum. The aluminum shall be engineered to wrap around the form door extrusion to create a complete aesthetically pleasing appearance without exposed seams. Exterior door panels shall be adhered to the extruded door structure with a chemical bonding adhesive. The completed exterior door shall be engineered to fit properly and square into the doorjamb extrusion.

Door hinges shall be screwed through the pre tapped door and door jamb extrusions. They shall be rust resistant piano hinges. Each door shall be equipped with an appropriate variable speed gas strut hold open to ensure a solid closure. Spring type hold opens are not desired due to their tendency to wear and break over time.

Compartment Door Panels

Exterior compartment interior door panels shall be constructed of .090" powder coated aluminum. Holes for the door panel mounting shall be CNC cut to ensure a proper fit. The interior door panel shall reside in a small recess in the formed exterior door extrusion to give the door panel a flush fit. Access points shall be included on the door panel to allow for easy maintenance of the latching or door opening mechanisms. A low-density open cell foam tape shall be installed on the door structure as a dampening insulator from any vibration that may occur.

Access Door Panels

Access door interior panels shall be divided in three (3) sections, top, middle and lower. The top section shall me made of fiberglass. The recessed window section shall be covered by this trim. The lower section shall be made of stainless steel. The center section shall be made of powder coated aluminum. It shall cover the top and lower section joints via swags. The center sections must be removable for door handle maintenance without the need to remove any other components such as assist handles.

Body Mounting

The module body shall be installed using the OEM insulated rubber puck mounts securely bolted from the bottom to allow for ease of removal should the vehicle be remounted. The module body shall be mounted in 12 locations, six (6) on each side of the chassis frame rails. OEM supplied automotive style rubber puck mounts shall be bolted through ½" 6061 T6 aluminum structure plates to serve as reinforcement points of the bottom of the module as well as provide a solid single surface piece to absorb the natural torsion as the vehicle is in motion ("body roll").

Two additional steel ''L" bracket, one (1) on each side, shall be added to the rear chassis frame. These ''L'' brackets shall also serve as a mounting point for the rear bumper.

The body shall be mounted in such a manner as to allow the lowest possible load height.

Compartments/Doors:

All exterior compartment floors and shelves shall include s skid resistant mat such as Turtle Tile.

Compartment C1
First door on curbside (C1) for ALS compartment access and battery slide out sealed compartment. (Included)
This compartment shall be located on the curbside front of the module. It is designed to provide interior/exterior access to the ALS compartment. The lower section includes a battery drawer for conversion batteries. Lighting is to be provided by LED lights.

C2, Curbside Entry Door
Side entry door on curbside (C2) for patient compartment access, with flush-mounted, automotive-style window.
A side access door shall be located just behind the C1 compartment. This full height door shall allow for entering and exiting the module patient compartment. This door shall have an automotive style window as specified in the window section of this specification. Non-skid steps shall be built into the side entry doorstep well. The side surfaces shall be aluminum diamond plate and shall cover the entire step well area. Entry area is to be lit by an LED light. There shall be two (2) drains punched in the floor towards the front of the compartment, one (1) on each step.

The side access door shall incorporate an emergency release latch at the top and the bottom of the doors. This emergency device shall directly trigger the door latch to an open position in the event the door handle becomes inoperative.

Compartment C3
Third door on curbside for backboard or other storage.
This storage compartment shall be located at the rear curbside of the vehicle. Lighting is to be provided by LED light and the floor protected by a dry carpet.

C3 will be the stair chair location with two (2) adjustable shelves and retaining safety belt for backboard in C3 compartment.

The C3 compartment shall be located at the rear curbside of the vehicle. It shall contain one (1) fixed divider and two (2) adjustable shelves made from high-strength aluminum alloy and steel for maximum durability with straps for backboard or spine board storage. The bottom section shall accommodate a stair chair storage area.

Third door (C3) Compartment In/Out Access
The top section of the C3 compartment should provide inside/outside access from the patient compartment. The storage compartment shall be accessed via the patient compartment by an extruded aluminum door with Lexan inserts.

Rear Entry Doors
Two (2) rear entry doors for patient compartment access, each with its individual exterior door handle.
Two (2) rear access doors shall allow for patient loading. Each door shall have fixed automotive style windows as specified in the windows section.

The rear access doors shall incorporate an emergency release latch at the top and the bottom of the doors. This emergency device shall directly trigger the door latch to an open position in the event the door handle becomes inoperative.

Compartment S1
This compartment shall be located on the driver's side front of the module directly behind the cab. This compartment shall be used for the storage of two (2) oxygen cylinders. Lighting is to be provided by a LED light and the floor protected by a dry carpet.
The compartment shall have 2 shelves above the oxygen tank cylinders.

Compartment S2
Second door on streetside (S2) for equipment storage.

One (1) full-depth, adjustable shelf shall be provided in S2 compartment.
There shall be a 5 lb., ABC rated, fire extinguisher mounted in the compartment with a heavy-duty bracket

Compartment S3

Compartment S3 will be outside access ONLY. The upper section will be doglegged to allow for a small inside cabinet to be added, the cabinet will be 7" deep on the interior and the upper section in S3 will be reinforced for future installation of brackets.

Compartment Lighting

There shall be Whelen high-intensity LED tube lighting in all compartments.

Med Vault Cut out

At the foot of the squad bench above the sharp's container, recessed in C3, will be a cut-out and pre-wire for a Med-Vault. Dealer will install customer supplied med-vault.

Driving/Operational Lights:

Two (2) Whelen M6 series (6X4) amber turn-signal arrows shall be installed on the front of the module.

Opticom® Infrared System shall be installed on front of module. The Opticom Emitter is an encoded signal device intended for emergency vehicles.

Two (2) Whelen M7 series (7X3) amber turn-signal lights shall be installed above the wheel well fenderette, one (1) on each side.

One (1) pair of Whelen white 0S series LED lights with black grommets shall be installed one (1) each side, low on the module front, as running board lights. The lights shall activate with the cab door switches.

One (1) Whelen M6 series (6X4) upper brake light shall be installed at rear of module acting as a third brake light.

There shall be four (4) white LED lights mounted on brackets underneath the module (both sides and rear) and underneath both chassis cab steps. The lights shall turn on automatically when the vehicle is shifted into park. The lights may also be activated or disabled by a switch on the master control console.

Emergency Lights:

Seven (7) Whelen M9 series LED lights with chrome bezels shall be installed on the front plane. The lighting shall include a mix of six (6) red and one (1) clear lights. These lights shall flash in an alternating pattern.

Two (2) red Whelen M7 Series (7x3) LED lights with chrome bezels shall be installed in the front grille. The grille lights shall not interfere with air flow into the chassis. These lights shall flash in an alternating pattern.

Two (2) Whelen M7 Series LED red intersection lights with bezels shall be installed on the fenders of the chassis. These lights shall be located in a forward position to provide adequate visibility at an intersection

Two (2) Whelen M7 series (7 X 3) LED red warning lights with Bezels shall be installed on the side plane of the ambulance, one (1) on each side towards the center, above the fenderettes.

Whelen RED led lights shall be installed recessed in the rub rail. Four (4) Whelen ION T series LED's each side. White light turns on steady with opening of door

Four (4) red lateral emergency lights shall be installed (two (2) on each side). Whelen M9 series (10 x 6) LED lights.

Four (4) Whelen M9 Series (7 X 9) LED scene lights with bezels shall be installed on the side planes of the ambulance. The scene lights shall project at a downward angle to allow for adequate lighting of the area surrounding the sides of the ambulance. They shall be controlled independently for each side by a switch in the front console. The curbside scene lights shall also be activated when the side entry door is opened. This feature can be cancelled by pressing one (1) second on the door switch.

Four (4) Whelen M9 Series (7 X 9) LED scene lights with bezels shall be installed on the side planes of the ambulance. The scene lights shall project at a downward angle to allow for adequate lighting of the area surrounding the sides of the ambulance. They shall be controlled independently for each side by a switch in the front console. The curbside scene lights shall also be activated when the side entry door is opened. This feature can be cancelled by pressing one (1) second on the door switch.

Two (2) Whelen M9 Series (7 X 9) LED red warning lights with bezels shall be installed on the rear plane of the ambulance, one (1) in each corner. These lights shall flash in an alternating pattern.

Two (2) Whelen M6 Series (6 X 4) LED amber warning lights with bezels shall be installed above the rear doors. These lights shall flash in an alternating pattern.

Two (2) Whelen M6 Series (6 X 4) LED load lights with bezels shall be installed on the rear plane of the ambulance, above the rear doors. The load lights shall project at a downward angle to allow for adequate lighting of the area surrounding the rear of the ambulance.

They shall be controlled by a switch in the front console. The lights shall also be activated when the rear entry door is opened. This feature can be cancelled by pressing one (1) second on the door switch.

Two (2) Whelen M9 Series (7 X 9) LED red warning lights with bezels shall be installed on the rear plane of the ambulance, two (2) on each side of the doors, visible through the window when the door is opened. These lights shall flash in an alternating pattern.

The front M9 series warning lights pattern will be as follows... RED / Split RED-White / RED / WHITE / RED / Split RED-White / RED

The rear upper left light shall be Blue.

An (OSHA approved) back up alarm shall be installed with a disable control for silent backing. The disable control shall be located on the MCC (master control console). The back up alarm system shall automatically reset to the "on" mode when the transmission is taken out of reverse.

Whelen model 295HFSA1 siren amplifier with 17 Scan-Lock™ siren tones.
The ambulances primary audible warning equipment shall be in the form of one (1) automotive traffic horn and one (1) Whelen 295HFSA1 multiple tone siren. This siren shall be easy for the driver to access as it shall be mounted in the front console.

There shall be a switch to mute the OEM horn when the siren speakers are activated.

Whelen low profile siren speakers (SA315) shall be concealed behind the front bumper of the chassis or surface mounted and housed behind stainless box. They shall be securely mounted in an engineered housing to fit without modifying the chassis. This housing shall be designed not to restrict airflow or to reduce the effective of the siren speaker.

<u>Chassis/Body:</u>
Rims shall be powder coated job color grey. Air Max valve extensions, or equivalent, shall be provided to properly inflate the inner dual rear tires.

Two (2) tow hooks shall be recessed in the rear step area and securely fastened to the rear of the chassis.

The OEM exterior mirrors shall be installed.

Bright dip anodized aluminum "C" channel rub rails shall be installed on the lower sides of the body below the outside compartment sill areas. The rub rails shall be offset from the body to facilitate wash down of road debris.

There shall be undercoating protection for the module and chassis.

There shall be rear wheel mud guards.

There shall be a license plate holder with LED light.

Full length exterior running boards shall be installed on the chassis. They shall be constructed of a sure grip material no less than 7" wide with machine punched holes to facilitate water and debris runoff. Aluminum mud flaps shall be added to reinforce the running boards and prevent road debris intrusion. End plates are also installed to reinforce the rear section.

A full width rear step bumper with integrated flip up rear stepping surface shall be installed on the rear of the vehicle. It shall be constructed of a sure grip material no less than 9" wide with machine punched holes to facilitate water and debris runoff. Corners are made of aluminum diamond plate. A 3'' rubber bumper is bolted on each corner to protect the bumper. The structure is to be bolted to the chassis for easy replacement and adjustment.

An exterior waterproof hidden door unlock switch shall be provided and installed in the front grill area. It shall unlock all the doors of the vehicle but cannot lock the doors.

A fast idle engine speed auxiliary control device (high idle switch or throttle) shall be installed to allow an increase in the engine speed when the ambulance is parked. The high idle shall be automatically engaged when the ambulance parking brake is engaged with the transmission in park. The high idle shall deactivate when the vehicle's parking brake is removed or the brake is applied.

A Zone Defense color camera system connected to a cab display screen shall be installed, providing rear view monitoring to the rear exterior of the module. The camera shall be connected to the video input provided in the cab's screen. The viewing angle meets FMVSS 111 field of view requirements. A built-in audio support shall be integrated so you can hear what is happening around the camera. This Infra-red camera provides driver with night vision. The camera image shall automatically be displayed on the monitor when the vehicle is placed in reverse. The monitor shall resume normal operation when the vehicle is taken out of reverse.

A Zone Defense black dome camera shall be installed in the patient compartment camera. It shall be displayed in the same screen as back-up camera. It shall be activated when the ambulance module is powered unless the vehicle is put in reverse.

The camera(s) monitor shall be a Zone Defense 5" digital LCD stand-alone monitor and cable kit that connects to camera(s) installed on your vehicle.

An anti-theft system shall be installed that allows one to leave the vehicle with the keys, with the engine running, to keep the vehicle at the ideal operating temperature. It protects against theft by turning off the engine if the vehicle moves.

<u>Paint:</u>

The paint process will consist of two (2) coats of primer and two (2) topcoats. The primer will be an epoxy/polyamide strontium chromate primer boasting excellent impact and chemical resistance designed specifically for the aerospace industry's high-performance requirements.

Bidders may propose alternative paint process methods. A detailed description of the process, warranties and certifications by the paint manufacturer shall be provided in this bid proposal.

Unit will be painted Gray over Red. Cab paint line will be hood to bottom of window. Module will be 2 inches below the M9 Series lights. Gray OEM color code 73965, Blaze Red OEM color code B8241EA

All graphics shall be consistent with current fleet. Photographs of current fleet are available upon request.

The rear of the unit shall have Lime Green/Red Chevron around the rear doors. The chevron will be the reflexite type

Floor Console:

A powder-coated aluminum floor mounted console shall be installed on the floor of the cab between the driver's and passenger's seats. The console face plates shall be removable for accessibility and serviceability.

Dual cup holders shall be integrated in the floor mounted console.

A dual document compartment shall be integrated in the floor mount console.

The rear of the console will be used to mount radio chargers (2) and a Knox Key Secure 5.

Additional Cab Interior Lighting

Two (2) red/clear LED reading lamp shall be installed above the passenger and driver. One (1) per seated position. This light shall be switched from the light head.

Two (2) Federal Signal LF series, or equivalent, twelve (12) inch "goose-neck" LED lights shall be installed in the cab interior. One (1) per seated position. Switching shall be On/Off type. Location TBD at preconstruction conference.

Patient Compartment:

An aluminum cabinet shall be installed towards the front of the squad bench seat area. It shall include a flip out trash, two (2) drawers and one (1) writing panel. The top of that cabinet shall be a working area or the location to mount the patient cardiac monitor.

Access to the storage area under the squad bench shall be via a positive closing latching system on the squad bench lid and face. When the latch is released, the bench shall automatically raise open via the compressed gas struts. The bottom of the storage area shall be covered with a single piece of covering matching the covering in the patient compartment.

The squad bench shall be finished with a seamless full-length seat cushion

The backrests shall be contoured and include lumbar support for comfort and fatigue resistance. The color of these cushions and backrests shall match the interior vinyl cushions.

At the head of the Squad Bench will be a large pull-out drawer that will hold 2 large trash cans.

There shall be two (2) additional pull-out drawers below the action area. These drawers shall pull out toward the isle way. The drawers should be track mounted and have a self-locking stop to prevent opening past a safe designated point. Handles for the drawer shall be positive catch stainless steel pull latch.

Medical cabinet with CPR bench seat: The rear lower location shall be blank to provide extra S3 exterior compartment space. No interior cabinet in this location.

The overall cabinet structure shall consist of interlocking extrusions. Extruded framework shall provide the structural integrity of the cabinets as well as creating the individual cabinet sections. All cabinet extrusions shall incorporate a rounded edge to give an aesthetically pleasing appearance as well as providing a smooth, safe surface for the crew member.

The cabinet windows shall be made of 3/16" Lexan and shall incorporate a full-length aluminum handle.

The street side cabinetry layout shall consist of the following cabinetry:

A CPR seat shall be located on the street side wall. This seat shall be positioned at the patient's torso position. The CPR seat shall be at least 32" wide with a two (2) point safety belt and include a thermoformed bottom seat cushion as well as a thermoformed high bucket style back rest. This backrest shall be contoured and include lumbar support for comfort and fatigue resistance.

A large storage cabinet shall be located above the action area and shall continue from the bulkhead cabinetry to the CPR seat.

A large storage cabinet shall be in the upper section towards the rear. This cabinet shall extend from the CPR seat to rear door area.

There shall be a full cardiac monitor location at the rear action area.

There shall be two (2) pull out drawers below the action area. These drawers shall pull out toward the isle way. The drawers should be track mounted and have a self-locking stop to prevent opening past a safe designated point. Handles for the drawer shall be positive catch stainless steel pull latch.

The exact cabinetry layout shall match the drawings specified in this bid proposal.

There shall be a corner cabinet on streetside of front wall and include two (2) aluminum extruded doors with see through windows, two (2) ajustable shelves and LED strip lighting.

There shall be a cabinet on curbside of front wall which includes four (4) aluminum extruded doors with see-through windows, adjustable shelve(s), one (1) drawer at mid-height, LED strip lighting, and inside/outside access via curbside door.

The upper section shall be accessed via two (2) extruded aluminum doors with Lexan inserts. This section of the cabinet shall have one (1) adjustable shelf.

The center section shall be a drawer compartment. The drawer shall be self-locking and equipped with steel rails rated for 100 lbs.

The lower section shall be accessed via two (2) extruded aluminum doors with Lexan inserts. This section of the ALS cabinet shall have one (1) adjustable shelf.

ALS cabinet layout and dimensions shall match the drawings included in this bid proposal.

A lockable compartment shall be installed above the front wall ALS cabinet.

There shall be a Smithworks IV warmer in the ALS compartment.

The drawer in the ALS area will have a heated floor allowing to keep IV's and blanks warmer.

A cabinet will be added in the pass-thru area. This cabinet will have 2 hinged plexi-glass doors, 1 adj. shelf, and a countertop for a work area.

There shall be an EVS 1880 seat equipped with a swivel 360 degrees seat base, locking in two (2) positions, forward and rearward positions. The seat and the base shall be KKK-1822-F change notice 8 compliant.

<u>Cot Fastener</u>

There shall be a Stryker PowerLoad fastener system installed. All wiring to this system must be protected from the elements and have spare length on power supply feed.

There shall be an auxiliary console on the curb side wall. The detail below describes the minimum features the auxiliary console shall control. It shall be a mix of a touch pad and switches and control emergency or mission critical functions such as:

- **Rear heat and AC controls with digital interior temperature display**
- **Patient compartment lights**

- **Patient compartment exhaust**

The completed ambulance shall have a rear action area console. The detail below describes the minimum features the rear console shall activate. It shall include all controls and switches to operate all necessary emergency or mission critical functions such as:

- **Rear heat and AC controls with digital interior temperature display**
- **Patient compartment lights, bank 1**
- **Patient compartment lights, bank 2**
- **Action area reading light**
- **Cabinet lights**
- **Suction pump**
- **Patient compartment exhaust**

Oxygen System:

An electric on/off switch shall be provided.

Three (3) Ohio Medical flush mounted, quick release outlets shall be installed. One (1) in the forward street side cabinet action area, one (1) shall be installed in the wall above the squad bench and one (1) shall be installed in the ceiling above the head end of the cot.

Two (2) Thorpe style oxygen flow meters shall be shipped loose with the completed vehicle.

The S1 compartment shall have two (2) Ziamatic QR-MV bracket(s) capable of holding two (2) "M" size tanks. They will be both on the rear wall for ease of replacement. This will include proper plumbing for a dual tank set up.

Suction System:

One (1) RICO RS4 electrically controlled suction system shall be installed in the patient compartment. The suction pump shall be located behind the street side cabinetry and be easily accessible for maintenance. It shall be securely mounted with rubber pads to eliminate any unnecessary noise. A vacuum indicator gauge ranging from 0 to 760 mm Hg shall be provided and installed near the rear street side rear console area.

The vacuum/suction outlet shall be QD Puritan with 5/16" hose. This shall be installed on the action area wall with the control in the rear switch panel.

Power Supply

A power inverter rated for 1000 watts shall be installed in a ventilated storage area. The inverter shall be powered via a control panel in the rear attendant console. When this inverter is activated, all 110VAC outlets shall be energized. An inverter integrated battery charger shall be provided for maintaining batteries in a fully charged condition when the shoreline is plugged in.

A 15 amp shoreline shall be installed on the driver's side of the vehicle. The shoreline shall be a Kussmaul Super Auto Eject Model # 091-55-15-120 with sealed casing. When the shoreline is plugged into an exterior source, all 120VAC 60Hz outlets shall be energized. The shoreline shall be recessed into the module and shall include a red weatherproof low profile cover.

Four (4) 120VAC GFCI outlets shall be installed at a specific location to be determined. 120VAC outlets shall be energized from the shoreline and/or from the inverter if equipped and have a pilot light when powered.

Four (4) dual USB DC outlets with indicators shall be installed at a specific location to be determined.

Two (2) batteries shall be installed in addition to the OEM battery(ies). The OEM battery(ies) shall not be relocated from their original position(s) The additional batteries shall be located in a ventilated compartment on a slide out drawer.

Wiring Harness:

The ambulance wiring harnesses shall be a continuous run to each electrical component. The ambulance wiring shall contain no splices in the main wiring harness.

All ambulance wiring harnesses shall be enclosed in a plastic loom. Instances where conduit must travel through a tube structure, a rubber grommet shall be placed in the hole to prevent premature wear of the plastic loom and/or wiring. All wiring harnesses shall be secured to the roof and walls tube structures with insulated clamping fasteners.

The overall covering of jacketed cables shall be moisture resistant and have a minimum continuous temperature rating of 194°F (90°C), except for cable installations where the wiring may be exposed to higher temperatures. All wiring connections and terminations shall use a method that provides a positive standard connection. Wiring connections and terminations shall be installed in accordance with the device manufacturer's instructions. Wire nut, insulation displacement, and insulation piercing connections shall not be used.

All connections to the electrical components shall include a minimum 6 in. service loop of.

Wiring Identification

Wiring identification shall be clearly visible and shall be printed on the insulated wire. No stickers will be allowed.

Circuit Protection

Circuits shall be provided with properly rated low voltage overcurrent protective devices. Such devices shall be readily accessible and protected against heat in excess of the overcurrent device's design range, mechanical damage, and water spray. Circuit protection shall be accomplished by utilizing fuses, circuit breakers, fusible links, or solid-state equivalent devices.

Wiring Schematics

The complete set of wiring schematics shall clearly identify all wiring locations, routing, and component connection. A sample document shall be available to the purchaser on request to examine the quality of the electrical schematic. All instances of wiring not conforming to the standards established in this document shall be documented at the time of the proposal.

Electric Panel

The electrical panel shall be protected by a removable panel or a compartment door. It shall include in addition to the ECUs all block fuses and other electronic devices.

For future upgradability a minimum of four (4) extra 15 amp 12VDC circuit breakers shall be provided.

Grounding

Dedicated grounding locations for all appliances, circuits, etc. shall be supplied. Appliance mounting screws/hardware shall not be used for grounding purposes, nor shall the body of the ambulance be used as a ground location. Star washers or unapproved, untested grounding methods shall not be used.

OEM grounds shall not be used as grounding location for the conversion circuits.

Switching Requirements

Switches, relays, terminals, and connectors shall have a direct current (dc) rating of 125 percent of maximum current for which the circuit is protected.

Voltage Alarm

The electrical system shall incorporate an audible voltage warning should the system voltage at the battery or at the master load disconnect switch drops below 11.8VDC for a duration of 120 seconds for 12VDC nominal systems.

Load Management

The electrical system shall be programmed to automatically shed electrical load should the electrical output rating of the installed alternator drop below a programmed voltage level. Electrical components shall shed in order of priority.

Communications:

Mobile Radios

Two (2) Kenwood NX-5700-HK radios with external speakers shall be dealer supplied and installed. One (1) of the radios shall be dual head with one (1) head mounted in/on the front cab console and one (1) mounted in the patient compartment. Specific location TBD.

Mobile Radio Repeater

One (1) Pyramid SVR-N300V repeater shall be dealer supplied, installed and function with the "primary" radio.

Portable Radios

Two (2) Kenwood Model NX-5200-K2 portable radios with vehicle mount chargers shall be dealer supplied and installed with a mounting location TBD. Two (2) Kenwood Model KMC-54WD external microphones shall be included.

Radio Programming

Programming of all 2-way radios shall be the responsibility of the Waterville Fire Department.

Exhaust Fans

Two (2) exhaust fans shall be installed. These fans shall allow adequate air exchange within cab and patient compartment while parked or in motion and shall be activated by the front control interface or the rear console switch.

Bidders shall provide options for HEPA Air Filtration/air scrubber systems.

Patient Compartment:

There shall be blue LED strip lighting installed in at floor level. The lighting strip shall be waterproof and installed in protective aluminum track.

Whelen round Super LED dome lights, Whelen #80C0EHCR, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The ceiling lights shall have four (4) different intensities. Each time the ceiling lights button is pushed, the intensity shall increase, until maximum intensity is reached. One curbside bank of LED lights of the patient compartment shall be illuminated when the patient compartment entry doors are opened.

A sharps disposal container with bracket shall be installed in the front action area.

A glove box compartment above CPR seat for three (3) horizontal boxes shall be installed.

There shall be a five (5) glove box holder installed below the curbside upper cabinet.

A pair of rear radio speakers shall be installed in an upper portion of the patient compartment in an area not interfering with patient care. The speakers shall be controlled by a rheostat volume control on the action area wall.

Two (2) recessed, dual ceiling I.V. hangers shall be installed. Exact location to be determined at pre build meeting.

There shall be a cabinet over the seating area on the curbside wall. It shall be divided into two (2) sections, include LED stirp lighting and be accessible via sliding polycarbonate windows. A vinyl pad shall wrap the cabinet for head protection.

A kick out style trash container shall be installed in the squad bench area. This type of system shall allow the attendant to quickly discard any biologic waste via a tip out door with his or her foot to avoid unnecessary contamination from their hands.

A digital clock shall be installed in the patient compartment. It shall display seconds and integrates indicator lights for rear step position and driver intention and be flush mounted in the protector above the rear doors.

Miscellaneous:

The vehicle exhaust shall be curbside exit and have provisions for a pneumatic boot style Plymovent system.

Two (2) Zico "Walkaway" SCBA brackets, with restraint straps, shall be dealer supplied and installed in the S3 compartment. Brackets shall be installed on angle bracket supports. Final installation location in S3 TBD at final inspection.

Flashlights

There shall be two (2) orange Streamlight Vulcan 180's with 12VDC vehicle mount chargers supplied and installed in the S3 compartment. Final installation location in S3 TBD at final inspection.

The City of Waterville reserves the right to purchase the following items separately however, we would like individual prices to be include with the bid proposal.

Stretcher

ONE (1) STRYKER POWER-PRO XT STRETCHER TO BE INCLUDED.
Stryker Power-PRO XT Stretcher with the following options; Power-LOAD Compatible Option, Dual Wheel Lock, PR Cot Retaining Post, XPS Option, No Runner/HE O2, Equipment Hook, Trendelenburg, Retractable Head Section O2, Pocketed Back Rest Pouch, Head End Storage Flat, 120V AC SMRT Charging Kit, Short Hook, XPS Knee Gatch Bolster Mattress, Steer Lock Option, 3 Stage IV Pole PR Option, G-RATED RESTRAINT PACKAGE, STANDARD FOWLER, English Manual, 3 YR X-Frame Powertrain Warranty, 2 Year Bumper to Bumper Warranty, Protect Power Cot - 7 Year

Stair Chair

ONE (1) STRYKER STAIR-PRO STAIR CHAIR TO BE INCLUDED.
Stryker Stair-Pro Model 6252 with the following options; Two-piece molded ABS seat, Color coded patient restraints4 (plastic buckles), Patient head support, O2 bottle holder, IV clip, Foot support

Cardiac Monitor

PHYSIO CONTROL LIFEPAK 15 monitor/defibrillator shall be included in the bid price and include the following options; Manual & AED, Trending, Noninvasive Pacing, SPO2, NIBP, 12 Lead ECG, EtCO2, AC power cord, Two (2) 5.7 amp hour batteries, NIBP straight hose, (1) Infant, (1) Child, (1) Large Adult and (1)Adult X-Large NIBP Reusable Cuff, Basic carry case with left and right pouches and shoulder strap, carry case top pouch, carry case back pouch, and 4G Titan III Modem.